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PATENT ABSTRACTS OF JAPAN

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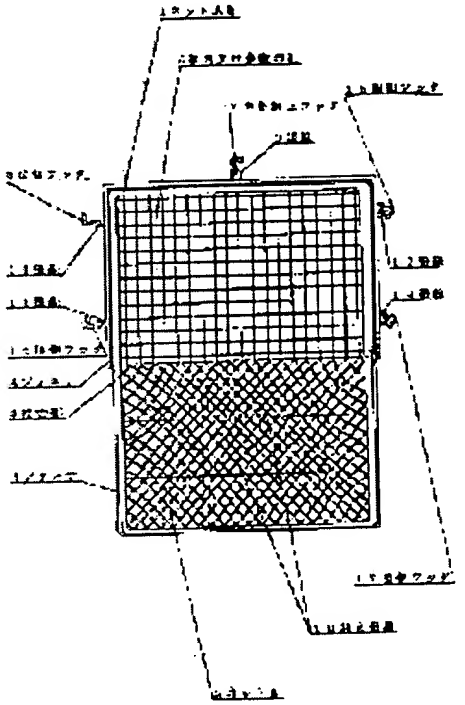
(72)Inventor : NISHIZAWA YOICHI

(54) WASHING NET TO BE MOUNTED ON INSIDE WALL OF WASHING TANK OF WASHING MACHINE

(57)Abstract:
PROBLEM TO BE SOLVED: To prevent the collapse of the wash housed in a washing net by mounting the washing net along the inside wall of a washing tank.

SOLUTION: The washing net comprising a flexible water permeable net base part 1 having rigidity and elasticity in combination and a net fabric 21 having flexibility and water permeability and the elasticity and stretchability of meshes is mounted along the inside wall of the washing tank by mounting a bracing wire 9 to the lower part and upper part of the central part of the rear surface of the net base part 1, connecting a hook 7 to the top end thereof, mounting four pieces of the bracing wires 11 to 14 having stretchability and elasticity and four pieces of hooks 8, 15 to 17 to the four corners of the washing net and hooking the respective hooks 8, 15 to 17 to the holes of the inside wall of the washing tank. The retaining bracing wires 10 having the elasticity and stretchability are extended in one or plural pieces horizontally at the net fabric 2.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

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[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

* NOTICES *

1.This document has been translated by computer. So the translation may not reflect the original precisely.
2.**** shows the word which can not be translated.
3.In the drawings, any words are not translated.

CLAIMS

[Claim(s)]
[Claim 1] suitable rigidity -- and with a network base (1) of water flow nature by flexibility having suitable elasticity It constitutes from a network cloth (2) which consists of a mesh with flexibility which one of them combines with one side of this network base (1) in a joint (3) of water flow nature, and has flexible elasticity again if needed. In a wash network which the above-mentioned network base (1) and the side where a network cloth (2) remains are closed with a fastener (4) etc., are together put, and is formed Two or more top stretchers which have elasticity and elasticity in the lower part of a core of a network base (1) of a field of the opposite side and the upper part or a suitable part and four corners of this wash network, or a suitable part of the periphery section with a network cloth (2) (9), Have two or more hooks (6) which connected (11), (12), (13), (14), etc. at installation and each of those tips that each corresponded, (7), (8), (15), (16), (17), etc., and it adds to this if needed. A wash network which attaches a prevention top stretcher (10) which has elasticity and elasticity perpendicularly also between vertical both sides if needed further horizontally between right-and-left both sides of said network cloth (2) in 1 thru/or a laundry sink wall of a washing machine stretched two or more.
[Claim 2] a ferromagnetic network base (52) which has strong magnetism for a network base (1) -- with -- **** -- a wash network attached in a laundry sink wall of a washing machine of constituted claim 1.
[Claim 3] a ferromagnetic fixture (41) with strong magnetism, (43), and (47) -- with -- **** -- a fixture which attaches a wash network of claim 1 in a laundry sink wall which consists of the magnetic substance, such as a product made from stainless steel.

[Translation done.]

* NOTICES *

DETAILED DESCRIPTION

[Detailed Description of the Invention]
[0001]
[The technical field to which invention belongs] This invention relates to the wash network attached in the laundry sink wall of a washing machine.
[0002]
[Description of the Prior Art] a purpose [wash / the conventional wash network contains in it clothing, clothing which is long and is easy to be involved of the ground over which it is easy to mourn, puts it into laundry sink with other washing, and] -- carrying out -- reticulated fiber with the quality of the material soft in general -- with -- **** -- it was made and the configuration was carrying out saccate.
[0003]
[Problem(s) to be Solved by the Invention] The conventional wash network is put in into laundry sink together with other washing in an above in general soft configuration saccate [that it is the quality of the material and], and moves with other washing according to the stream in laundry sink. Consequently, since the form of the network itself will also be made to deform and the washing in a network will also be moved, there was a defect which causes mold collapse. For this reason, the washing troubled if mold collapse is carried out was independently based on the so-called push washing by hand.
[0004]
[Means for Solving the Problem] In order to solve the above-mentioned technical problem, this invention offers a wash network which can be attached in a washing machine laundry sink wall. That is, it constitutes from a network base and a network cloth which one of them combines with one side of this network base in a joint. The above-mentioned network base and the side where a network cloth remains are closed by a fastener etc., and form a wash network of this invention. said network base curves along a curved surface of a washing machine laundry sink wall -- as -- suitable rigidity -- and it is the flexible quality of the material having suitable elasticity, and has a mesh of water flow nature, or many holes. Said network cloth has flexible elasticity again if needed with the quality of the material of a mesh with flexibility of water flow nature. if still horizontally more nearly required in a prevention top stretcher which has elasticity and elasticity between right-and-left both sides of said network cloth if needed -- between vertical both sides -- perpendicular -- 1 -- or two or more are stretched. Thereby, the internal washing is pressed down, and a network slips down caudad, or the washing promotes an effect of the flexible elasticity of a network cloth so that it may not move to right and left. This wash network is carried out to the following configurations for the purpose of attaching in a washing machine laundry sink wall. That is, it prepares at a tip of a top stretcher which has elasticity and elasticity in the lower part of a core of a network base of a network cloth and the opposite side if needed directly [bottom hook / core], and this wash network is hooked on a hole of the lower part of a laundry sink wall. Next, a core top hook is connected at installation and its tip for a top stretcher which has elasticity and elasticity in an upper part part of this core bottom hook, and said core top hook is hooked, lengthening said top stretcher to a hole of the upper part of a laundry sink wall. Furthermore, a side side hook is connected at installation and its tip for a top stretcher which has elasticity and elasticity in a suitable part of the periphery section according to four corners and necessity for this wash network, respectively, and these side side hook is hooked, respectively, lengthening said top stretcher to a hole of a suitable part of a laundry sink wall corresponding to this side side hook. the washing which must not carry out mold collapse between a network base of this wash network, and a network cloth -- putting in -- said fastener etc. -- closing and said hook -- with -- **** -- it hooks on a hole of a laundry sink wall, and it attaches so that said network base side may stick to a laundry sink wall along that curved surface.
[0005]
[Embodiment of the Invention]
[0006]
[Example 1] Hereafter, drawing 1 . drawing 2 . drawing 3 . drawing 4 explains the example 1 of this invention. Namely, by constituting from a network cloth 2 which one of them combines with one side of the network base 1 and this network base 1 in a joint 3, the above-mentioned network base 1 and the side where the network cloth 2 remains are closed by a fastener 4 etc., and form the wash network of this invention. along the curved surface of the laundry sink wall 21, said network base 1 is stuck and curves -- as -- suitable rigidity -- and it is the flexible quality of the material having suitable elasticity, and has the mesh of water flow nature, or many holes 5. Said network cloth 2 gives flexible elasticity if needed in order to press down the washing which is the quality of the material of the mesh with flexibility of water flow nature, and was contained. the prevention top stretcher 10 which has elasticity and elasticity perpendicularly also between vertical both sides if needed further horizontally between the right-and-left both sides of said network cloth 2 -- 1 -- or two or more are stretched. This presses down the internal washing, and the effect of pressing down the washing by said flexible elasticity of the network cloth itself is promoted so that a network may not slip down caudad or the washing may not move to right and left. This wash network is carried out to the following configurations for the purpose of attaching in the laundry sink wall 21 of the washing machine laundry sink 20 of drawing 4 . That is, it prepares at the tip of the top stretcher which has elasticity and elasticity in the lower part of the core of the network base 1 of the field of the network cloth 2 and the opposite side if needed directly [bottom hook / 6 / core], and this wash network is hooked on the hole 22 of the lower part of the laundry sink wall 21. Next, the core top hook 7 is formed at installation and its tip for the top stretcher 9 which has elasticity and elasticity in the upper part part of this core bottom hook 6, and said core top hook 7 is hooked, lengthening said top stretcher 9 to the hole 23 of the upper part part of the laundry sink wall 21. If needed, the above-mentioned hook

location is made into other parts, or is extended. Furthermore, the top stretchers 11, 12, 13, and 14 which have elasticity and elasticity in four corners of this wash network are attached. Form the side side hooks 8, 15, 16, and 17 at that tip, and to four holes 24, 25, 26, and 27 (not shown | the hole 26 |) of the laundry sink wall corresponding to these side side hooks 8, 15, 16, and 17 These side side hooks 8, 15, 16, and 17 are hooked, respectively, lengthening said top stretchers 11, 12, 13, and 14. These side side hook is extended if for other parts of said wash network periphery section. the washing which must not carry out mold collapse between the network base 1 of this wash network, and the network cloth 2 -- putting in -- said fastener 4 etc. -- closing and said hooks 6, 7, 8, 15, 16, and 17 -- with -- **** -- it hooks on the holes 24, 25, 26, and 27 (not shown | the hole 26 |) of the laundry sink wall 21, and it attaches so that said network base 1 back may stick to the laundry sink wall 21 along that curved surface.

[0007]

[Example 2] In 0006 examples 1, the hook 6-7-8-15-16-17 was hooked on the hole 22-23-24-25-26-27 of the laundry sink wall 21, and it was fixing. This fixed method is made to be the following in the example 2 of this invention shown in drawing 5 , drawing 6 , and drawing 7 . Hook 6 is hooked on a hole 22 like 0006 examples 1. The drum section 31 which shows the push rivet 30 as shown in drawing 56 currently called the common name "the Bush rivet" and 7 apart from this to the hole which ****s in the hole 22 of said 0006 examples 1, 23, 24, 25, 26, and 27 at drawing 5 is put, respectively. As shown in drawing 6 and drawing 7 , the hook 7-8-15-16-17 of those other than said hook 6 is hooked on the hook section 37 which touched the head 33 of a mandril 32, respectively. When a mandril 32 is inserted in a cylinder part 34 with the condition, a drum section 31 can extend by the part of slitting 36, and is fixed to said hole 23-24-25-26-27 of the laundry sink wall 21 by the height 35, respectively. Thereby, this invention wash network is fixed along the curved surface of the laundry sink wall 21. Even if it uses other fasteners for fixing with the same effect as the push rivet of this example, this invention wash network is fixable to the laundry sink wall 21.

[0008]

[Example 3] The example 3 of this invention is shown in drawing 8 . This example is for applying to the stainless steel laundry sink wall 51 without a hole. Let the portion which is equivalent to the flange 38 which removes the drum section 31 of said push rivet 30, and remains like drawing 8 be the ferromagnetic flange 41 with strong magnetism. The stainless steel laundry sink wall 51 is made to fix this ferromagnetic flange 41. Said hook 6-7-8-15-16-17 is hooked on the hook section 47 between a head 43 and the ferromagnetic flange 41, and this invention wash network is attached in the stainless steel laundry sink wall 51.

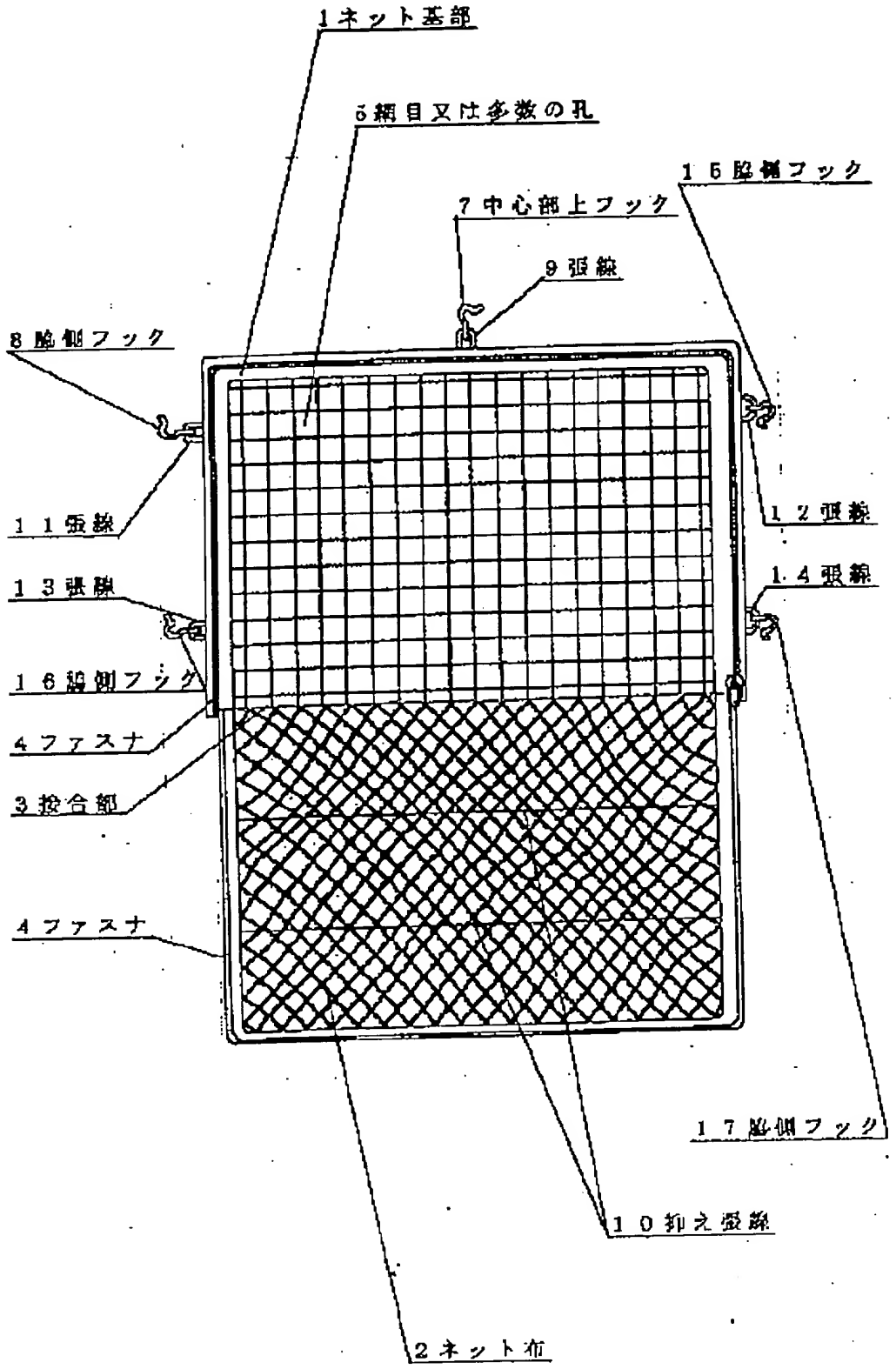
[0009]

[Example 4] the ferromagnetic network base 52 in which drawing 9 has strong magnetism for drawing 1 and the network base 1 of 2-3 -- with -- **** -- it is the example of constituted this invention and applies to stainless steel laundry sink. Here, the thing on the plate which neither a mesh nor a hole has is sufficient as the ferromagnetic network base 52. Since the whole network base or a required portion has strong magnetism, this invention wash network is stuck and fixed to the curved surface of the stainless steel laundry sink wall 51.

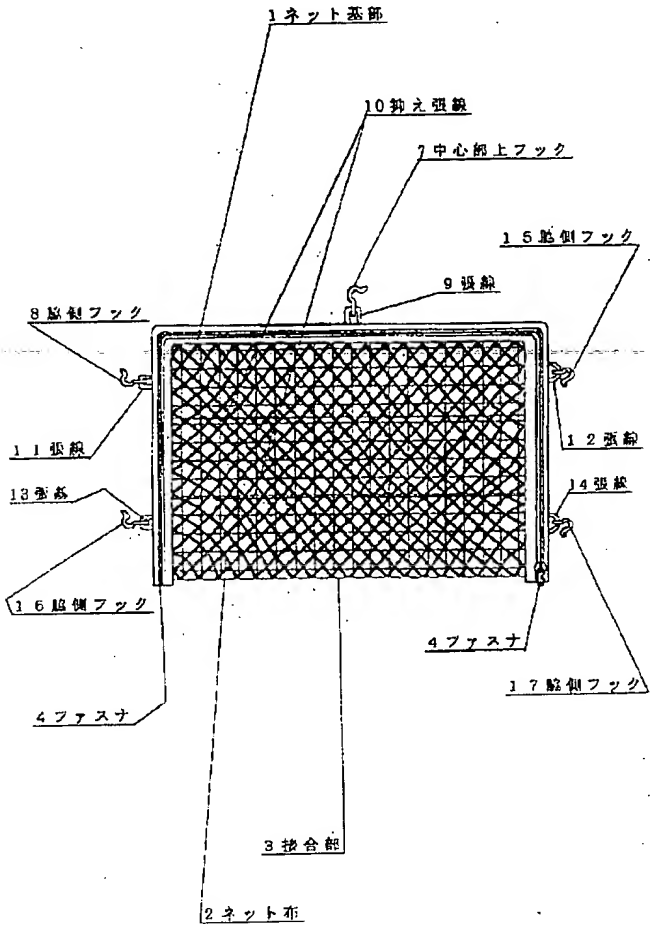
[0010]

[Effect of the Invention] This invention of the above configurations contains the washing which dislikes mold collapse between said network bases 1 and said network cloths 2, and it files and sets the network base 1 and the network cloth 2 with said fastener 4 etc., making it press down the washing lightly to said network base 1 by said prevention top stretcher 10. Holding the condition of the washing inside a wash network, along the curved surface, by the method of 0006 examples 1, 0007 examples 2, 0008 examples 3, and 0009 examples 4, this invention wash network is attached in the laundry sink wall 21 or 51 so that it may stick. Although the wash network of this invention is fixed to the laundry sink wall 21 or 51 and it is exposed to a wash stream at the time of wash, since it is not related to a motion of other washing, the wash network itself does not move. It does not deform that the form of the network itself can be twisted like the conventional wash network which moves together with the washing etc., and the washing in a wash network does not move by the tension and the prevention top stretcher 10 of network cloth 2 the very thing. Moreover, at the time of dehydration, with rotation of laundry sink 20, it sticks to the laundry sink wall 21 or 51, rotates, and is not influenced of the intense motion at the time of dehydration of other washing. Thus, since it is unrelated to a motion of other washing, the washing contained by this invention wash network does not produce mold collapse.

[Translation done.]


1ネット基部
5網目又は多数の孔
15脇側フック
7中心部上フック
9張線
8脇側フック
11張線
12張線
13張線
14張線
16脇側フック
4ファスナ
3接合部
4ファスナ
17脇側フック
10抑え張線
2ネット布

Drawing selection drawing 2



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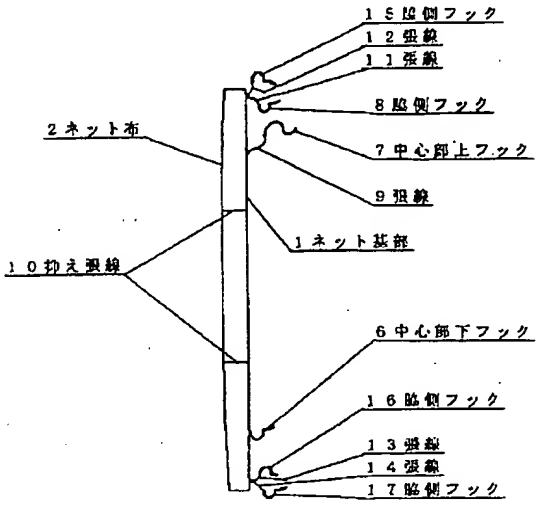
Drawing selection drawing 3



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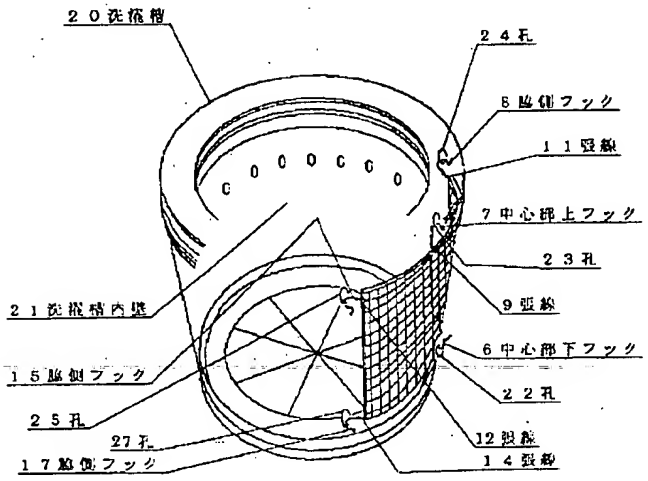
Drawing selection drawing 4



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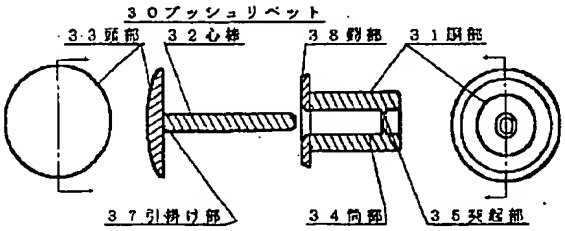
Drawing selection drawing 5



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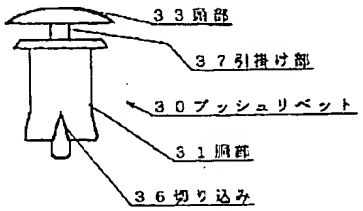
Drawing selection drawing 6



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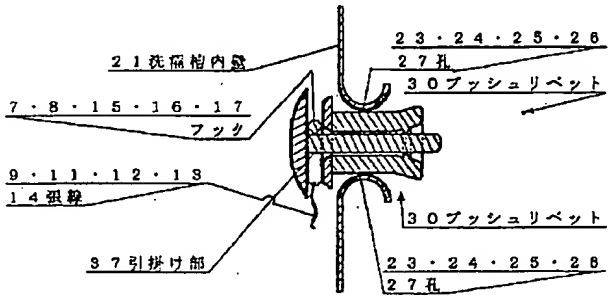
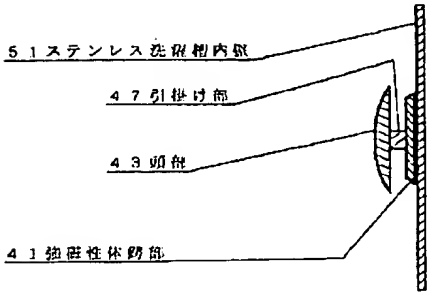
Drawing selection drawing 7



[Translation done.]

Drawing selection drawing 8



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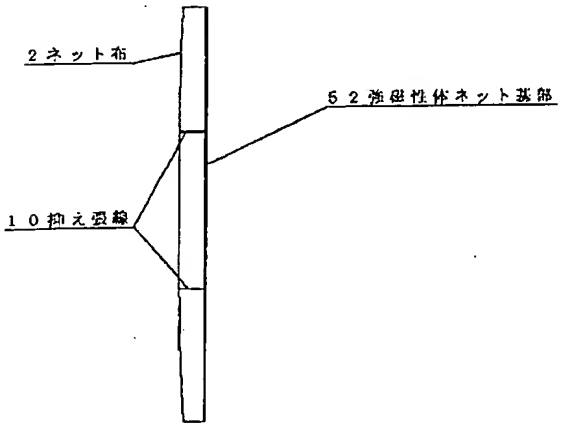
Drawing selection drawing 9



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